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INDEX TO AMERICAN BOTANICAL LITERATURE

1910-1920

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Andrews, E. F. Habits and habitats of the North American resurrection fern. *Torreya* 20: 91-96. 1920.
Polypodium polypodioides.

Bastin, S. L. Does cold kill plants? *Sci. Amer.* 123: 427. 23 O 1920.

Benoist, R. Descriptions d'espèces nouvelles de Phanérogames. *Bull. Mus. Hist. Nat. Paris* 1920. 184-188. 1920.
Includes *Bathysa difformis* sp. nov., from French Guiana.

Berry, E. W. New specific name. *Torreya* 20: 101. 1920.
Inga culebrana from the Panama Oligocene.

Blakeslee, A. F., Belling, J., & Farnham, M. E. Chromosomal duplication and Mendelian phenomena in *Datura* mutants. *Science* 11. 52: 388-390. 22 O 1920.

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From Mexico.

Bonar, L. Wilt of white clover, due to *Brachysporium Trifolii*. *Phytopathology* 10: 435-441. *f. 1-3.* 25 O 1920.
Includes description of *Brachysporium Trifolii* Kauffman, sp. nov.

Bradshaw, R. V. Ayrshire rose in Washington. *Am. Bot.* 26: 98. Au 1920.

- Bradshaw, R. V.** Wildflowers of the Oregon coast. *Am. Bot.* **26**: 84-87. Au 1920.
- Brandes, E. W.** Mosaic disease of corn. *Jour. Agr. Research* **19**: 517-521. *pl.* 95-96. 16 Au 1920.
- Bresadola, G.** Selecta mycologica. *Ann. Mycol.* **18**: 26-70. 1920.
Includes 2 new genera and 45 new species from America.
- Britton, E. G.** "Disappearing wild flowers." *Torreyia* **20**: 101. 1920.
- Britton, N. L., & Rose, J. N.** The Cactaceae. Vol. II. Carnegie Inst. Wash. Publ. **248**²: 1-239. *pl.* 1-40 + *f.* 1-305. 9 S 1920.
Includes 19 new genera and 48 new species.
- Brown, E. D. W.** Apogamy in *Osmunda cinnamomea* and *O. Claytoniana*. *Bull. Torrey Club* **47**: 339-345. *f.* 1-10. 5 O 1920.
- Brown, F. B. H.** The silicious skeleton of tracheids and fibers. *Bull. Torrey Club* **47**: 407-424. *f.* 1-5. 20 O 1920.
- Brown, J. S.** Subcortical formation and abnormal development of stomata in etiolated shoots of *Opuntia Blakeana*. *Bot. Gaz.* **70**: 295-307. *pl.* 27-30 + *f.* 1. 19 O 1920.
- Burns, G. P.** Tolerance of forest trees and its relation to forest succession. *Jour. For.* **18**: 610-615. O 1920.
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- Child, C. M., & Bellamy, A. W.** Physiological isolation by low temperature in *Bryophyllum*. *Bot. Gaz.* **70**: 249-267. *f.* 1-6. 19 O 1920.
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S. glauca latifolia, from Kansas.
- Coker, W. C.** *Azalea atlantica* Ashe and its variety *luteo-alba* n. var. *Jour. Elisha Mitchell Sci. Soc.* **36**: 97-99. *pl.* 1, 7. S 1920.
- Coker, W. C., & Couch, J. N.** A new species of *Achlya*. *Jour. Elisha Mitchell Sci. Soc.* **26**: 100, 101. S 1920.
Achlya Orion, from North Carolina.
- Cribbs, J. E.** Early stem anatomy of *Todea barbara*. *Bot. Gaz.* **70**: 294. *pl.* 23-26. 19 O 1920.

- Earle, F. S.** La extirpación del mosaico de la caña como medio de represión. Puerto Rico Dept. Agric. y Trab. Bol. 22: 1-19. Ja 1920.
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119. O 1920.
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Guatemala.
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Berlin-Dahlem **7**: 81-101. 15 My 1917.
Includes 3 new South American species and many new combinations.
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- MacDougal, D. T., & Spoehr, H. A.** Swelling of agar in solutions of amino acids and related compounds. Bot. Gaz. **70**: 268-278. *f. 1-6*. 19 O 1920.
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- Matz, J.** Pudrición de la base de la "roselle." *Revista Agric. Puerto Rico* **5**¹: 18-20. 1 J1 1920. [Illust.]
- Maxon, W. R.** Gleicheniaceae and Cyatheaceae, in Standley, P. C., Trees and shrubs of Mexico. *Contrib. U. S. Nat. Herb.* **23**: 36-47. 1920.
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- Pilger, R.** Plantae Uleanae novae vel minus cognitae. Notizbl. Bt.o Gard. und Mus. Berlin-Dahlem **6**: 485-503. 15 Ja 1917.
Includes Piperaceae and Meliaceae by C. de Candolle, here indexed separately.
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- Sando, C. E.** The process of ripening in the tomato, considered especially from the commercial standpoint. U. S. Dept. Agr. Bull. 859: 1-38. pl. 1-4 + f. 1-3. 7 S 1920.
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- Schlechter, R.** Die Columelliaceae. Notizbl. Bot. Gart. und Mus. Berlin-Dahlem. 7: 352-358. 15 Ja 1920.
Includes 2 new Andine species of *Columellia*.
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Includes American species of *Masdevallia* (1), *Stelis* (6), *Pleurothallis* (7), *Octomeria* (3), *Cryptophoranthus* (1), *Bulbophyllum* (1), *Promenaea* (2), *Capanema* (1) and *Oncidium* (1).
- Schlechter, R.** Über eine neue *Stanhopea*-Art. Notizbl. Bot. Gart. und Mus. Berlin-Dahlem 6: 483-484. 15 Ja 1917.
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Includes 15 new genera and 1 new species from America.

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Includes contributions by W. R. Maxon, A. S. Hitchcock and W. Trelease, here indexed separately. 31 new species of *Agave* are described.
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- Trelease, W.** Amaryllidaceae, in Standley, P. C. Trees and shrubs of Mexico. Contrib. U. S. Nat. Herb. **23**: 105-142. 1920.
Includes 31 new species of *Agave*.
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3 species described.
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Sedum aoikon, probably from Mexico.
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- Vaupel, F.** *Echinocactus Ottonis* Lk. et Otto. Monatschr. Kakteenk. **29**: 124. N 1920. [Illust.]
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